

JC20 Rec'd PCT/PTO 1.5 FEB 2002

PTO/SB/21 (08-00)

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/031,108
Filing Date	January 10, 2002
First Named Inventor	Carsten Zilg, et al.
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	268/200

Total Number of Pages in This Submission

1

### ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): <b>PTO Form 1449 ; Copy of PCT International Search Report with copies of 4 U.S. patent documents; 5 foreign patent documents; 2 Articles; and Return Postcard.</b>
<div>Remarks</div>		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Charles M. Doyle, Esq.
Signature	<i>Charles M. Doyle</i>
Date	February 11, 2002

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: February 11, 2002

Typed or printed name	Russell Morrisette		
Signature	<i>Russell Morrisette</i>	Date	February 11, 2002

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#4

Patent  
Attorney Docket: 268/200

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re the Application of:

Carsten Zilg, et al.

Serial No.: 10/031,108

Filed: January 10, 2002

For: NANOCOMPOSITES

Group Art Unit:  
Examiner: Not yet assigned

INFORMATION DISCLOSURE STATEMENT

Asst. Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO-1449 and copies are enclosed for the convenience of the Examiner.

Some of the items identified herein were cited in the International Search Report (dated October 16, 2000) for the PCT counterpart of the above-captioned U.S. application. A copy of this Search Report is enclosed herewith.

Certain of the references provided herein are not in English, and a concise summary of the teachings of those references as known to Applicant are provided in greater detail in the specification of the application.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicant is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even

WP-18347.1

CERTIFICATE OF MAILING  
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

February 11, 2002  
Date of Deposit

Russell Morrisette  
Name of Person Mailing Paper

Signature of Person Mailing Paper

qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicant as such.

**Information Disclosure Statement Filing Provision:**

☒ This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d); or (2) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (3) before the mailing of a first Office action on the merits; or (4) before the mailing of a first Office action after filing a request for continued examination under § 1.114. Thus, no fee is required.

☒ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and charge the fee due under 37 CFR § 1.17(p) to the deposit account referenced below.

☐ However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.

☐ This IDS is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office action on the merits, but before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311.

☐ The fee due under 37 CFR § 1.17(p) is submitted herewith.

☐ A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not received before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d) and charge the fee due under 37 CFR § 1.17(p) to the deposit account below.

☐ This IDS is being submitted under 37 CFR § 1.97(d), that is after a Final Action under 37 CFR § 1.113 or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A statement under 37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted herewith.

**STATEMENT UNDER 37 CFR § 1.97(e):**

☐ Each item contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.

☐ No item contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this statement after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this IDS.

**PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:**

☐ A check in the amount of \_\_\_\_\_ is enclosed for the above fee(s).

☐ Please charge \_\_\_\_\_ to Deposit Account No. **12-2475** for the above fee(s).

The Commissioner is authorized to charge any fees required by the filing of these papers, and to credit any overpayment to Lyon & Lyon's Deposit Account No. **12-2475**.

Respectfully submitted,  
LYON & LYON LLP

Dated: February 11, 2002

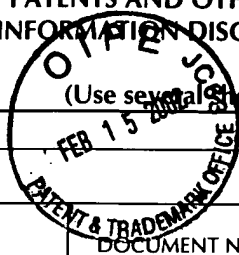
By: Charles M. Doyle  
Charles M. Doyle, Esq.  
Reg. No. 39,175



**22249**

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<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> 268/200	<b>SERIAL NO.</b> 10/031,108
	Carsten Zilg et al.	
	<b>FILING DATE:</b> January 13, 2002	<b>GROUP:</b>



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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA	5,760,106	06/02/98	Pinnavaia et al.			
	AB	5,416,141	05/16/95	Endres et al.			
	AC	5,228,912	07/20/93	Herget et al.			
	AD	4,810,734	03/07/89	Kawasumi et al.			
	AE	3,267,050	08/16/66	Kuryla et al.			
	AF	5,554,670	09/10/96	Giannelis et al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	AG	WO 9608526A	03/21/96	WIPO				
	AH	WO 9220732	11/26/92	WIPO (German w/English abstract)				
	AI	EP 0265781 B1	11/22/90	EPO				
	AJ	EP 0512 947 B1	01/22/97	EPO				
	AK	EP 0581739 B1	12/27/96	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
AL	"Ullmanns Encyklopädie Der Technischen Chemie", 4 <sup>th</sup> Edition; Volume 19, Verlag Chemie GmbH, Weinheim 1980, pp. 31-38; pp. 297-299; pp. 304-305.	
AM	G.W. Becker and D. Braun, "Kunststoffhandbuch", Volume 7 (Polyurethanes), 2nd Ed., Carl Hanser Verlag, Munich, Vienna (1983), pp.76-77.	
AN	A.D. Wilson and H.J. Prosser, "Developments in Ionic Polymers", London, Applied Science Publishers, Chapter 2, 1986.	

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant	